

1 / 27

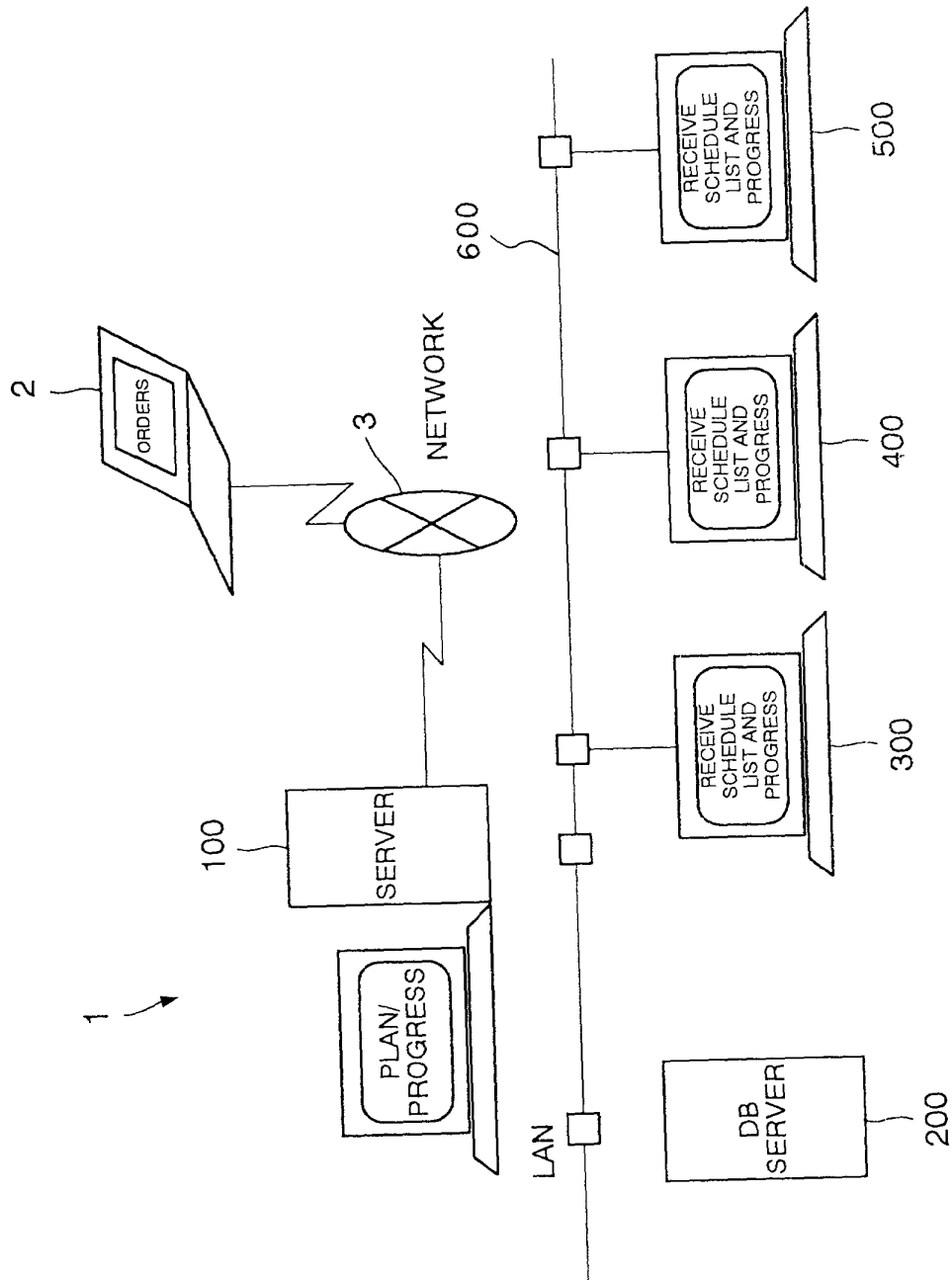


Fig. 1

Patent No. 6,455,800

2/27

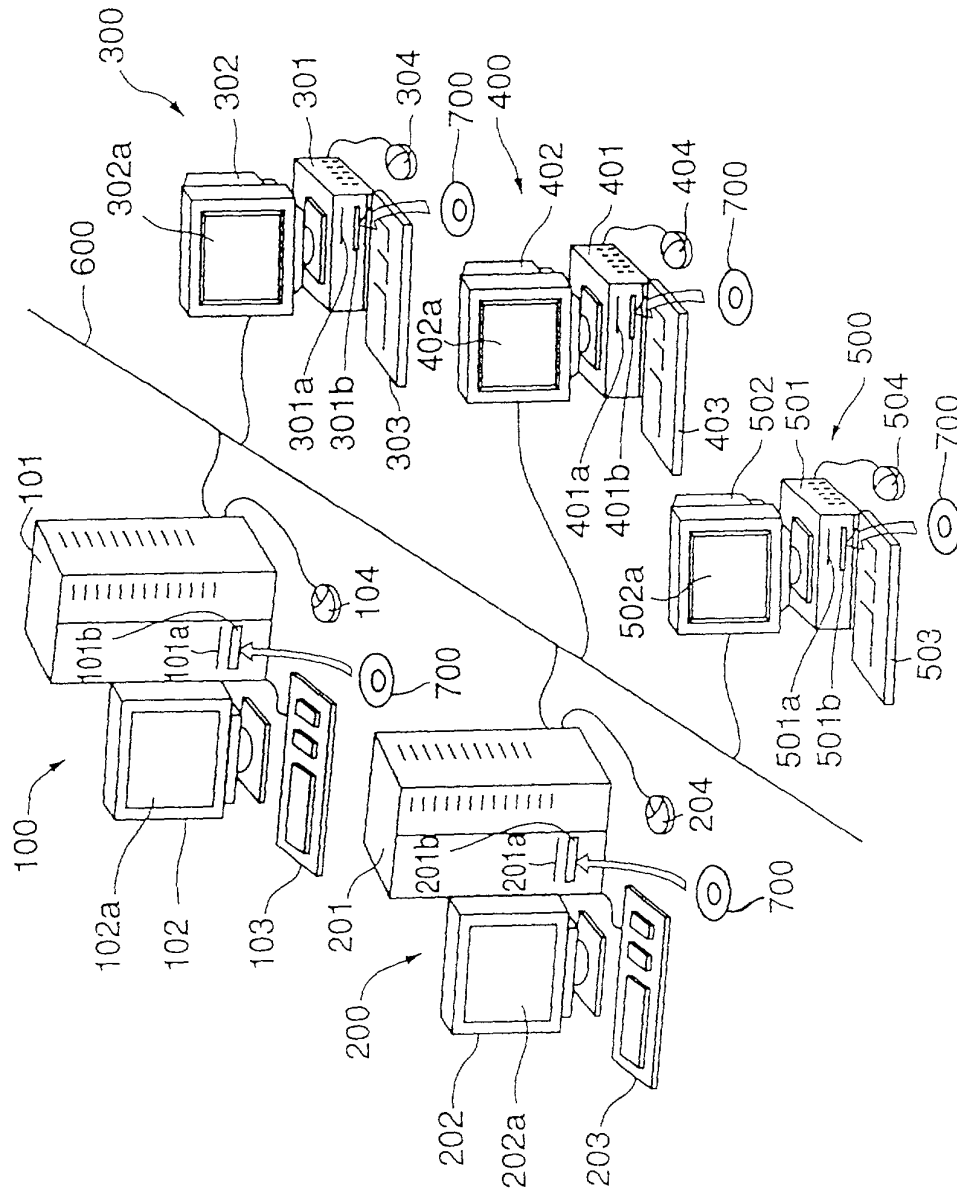


Fig. 2

3 / 27

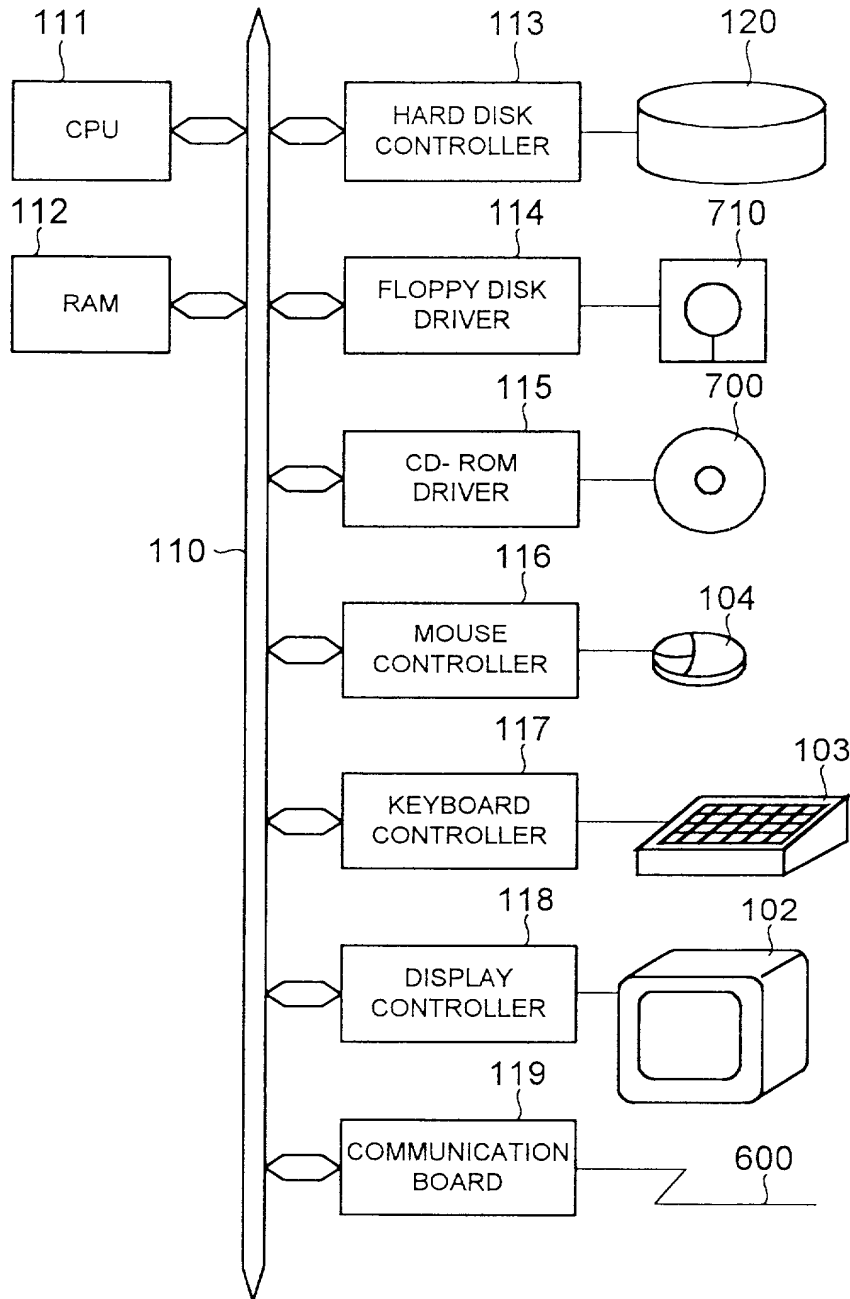


Fig. 3

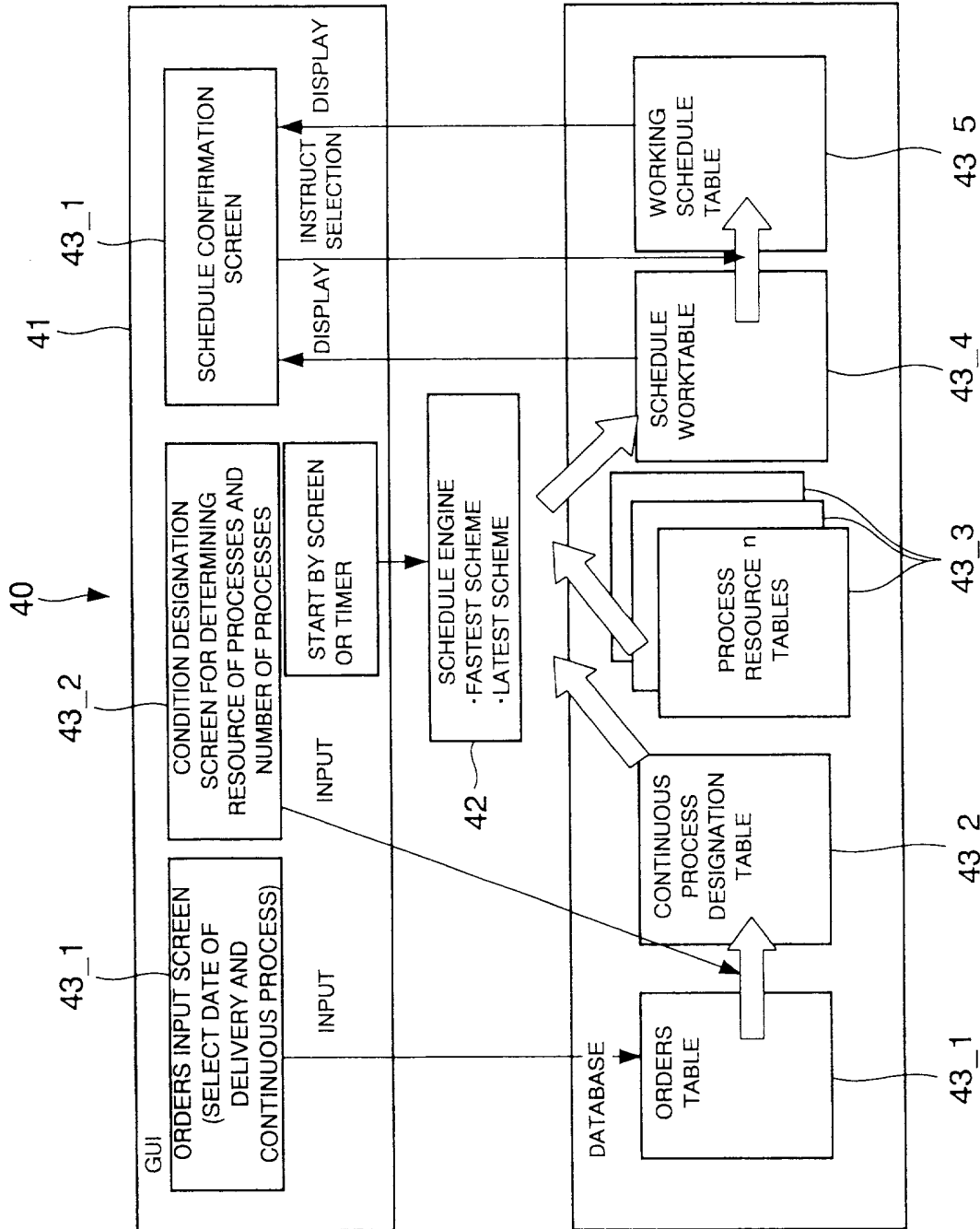


Fig. 4

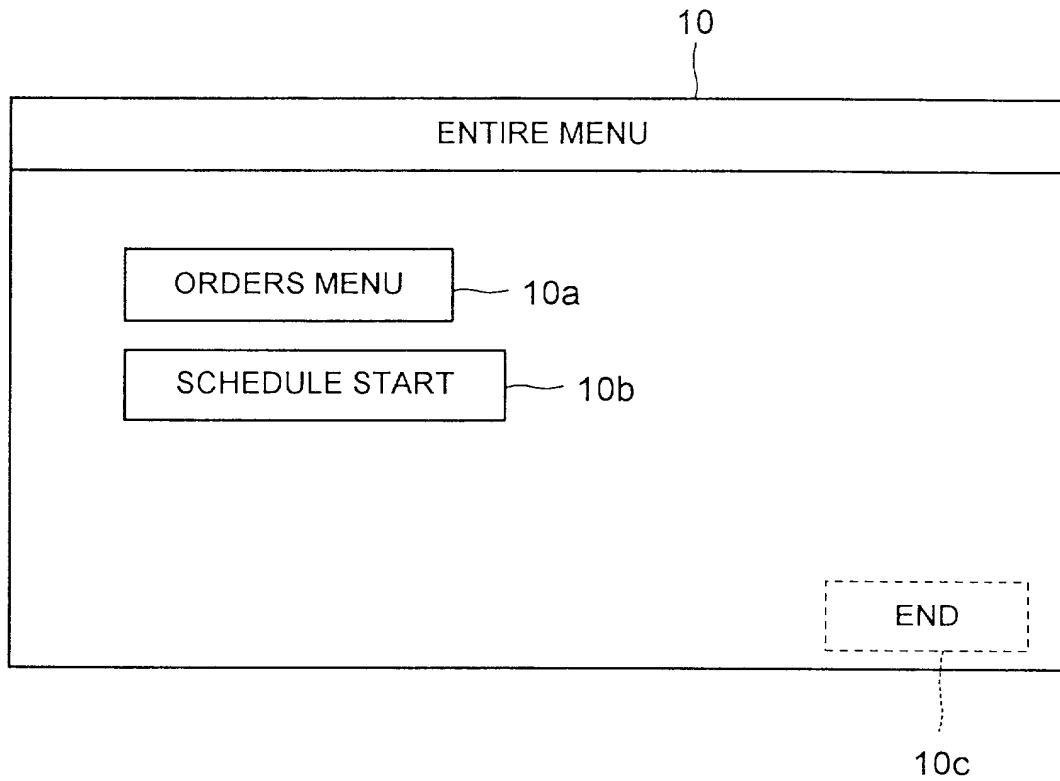


Fig. 5

6 / 27

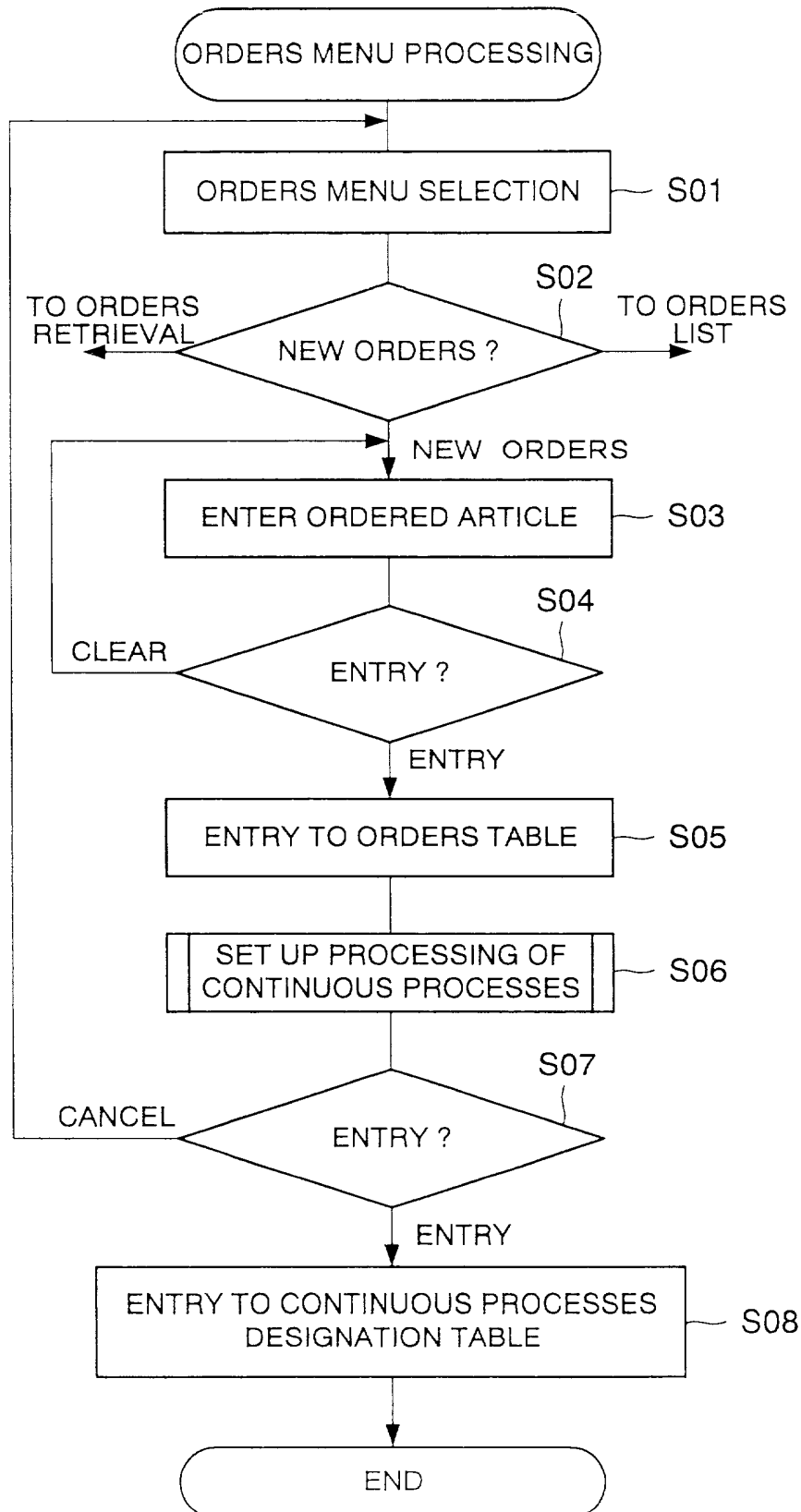


Fig. 6

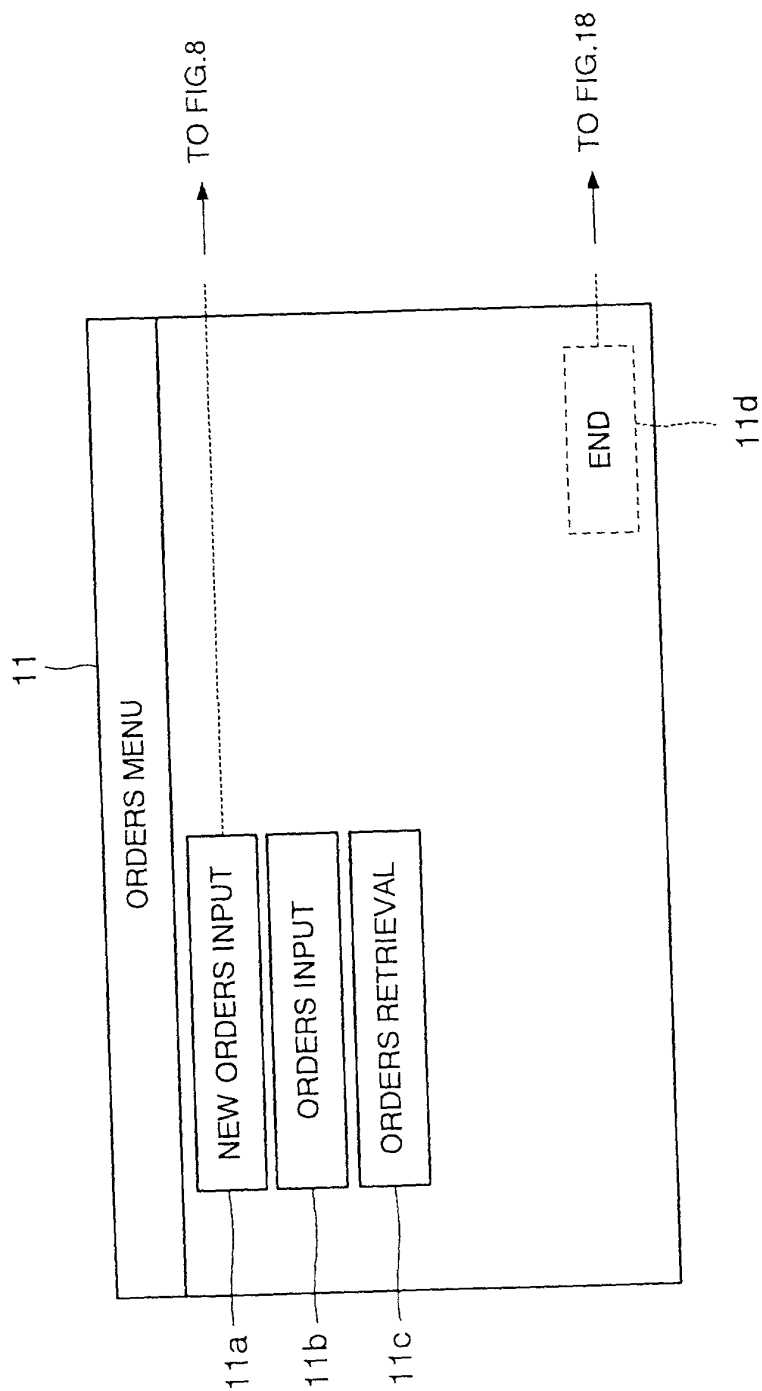


Fig. 7

Fig. 8

9/27

43_1a	43_1b	43_1c	43_1d	43_1e	43_1f	43_1g	43_1h	43_1i	43_1j	43_1k
ORDER NOS.	STATUSES	ARTICLE NAMES	KINDS	ITEMS	NAMES OF CUSTOMER	TIME OF DELIVERY	QUALITIES	UNITS	SALES STAFFS	SALES MEMOS
080-10156	NOT YET PROCESSED	MINIKOMOO TOWN NO.	NONREGULAR MAGAZINE	PAMPHLET	△△△△ PLANNING (CO.,LTD.)	2000/4/18 15:00	5000	COPY	TARO TANAKA	
070-10080	ALREADY PLANNED	SPRING BARGAIN	COMMERCIAL PRINT	LEAFLET	□□□□ ADVERTISEMENT AGENCY	2000/4/18 17:00	20000	SHEET	ICHIRO YAMADA	
081-10144	ALREADY PLANNED	CAR STANDARD PRICE	COMMERCIAL PRINT	LEAFLET	☆☆☆ ADVERTISEMENT (LTD.)	2000/4/17 10:00	3000	SHEET	HANAKO SUZUKI	
.
.

Fig. 9

10 / 27

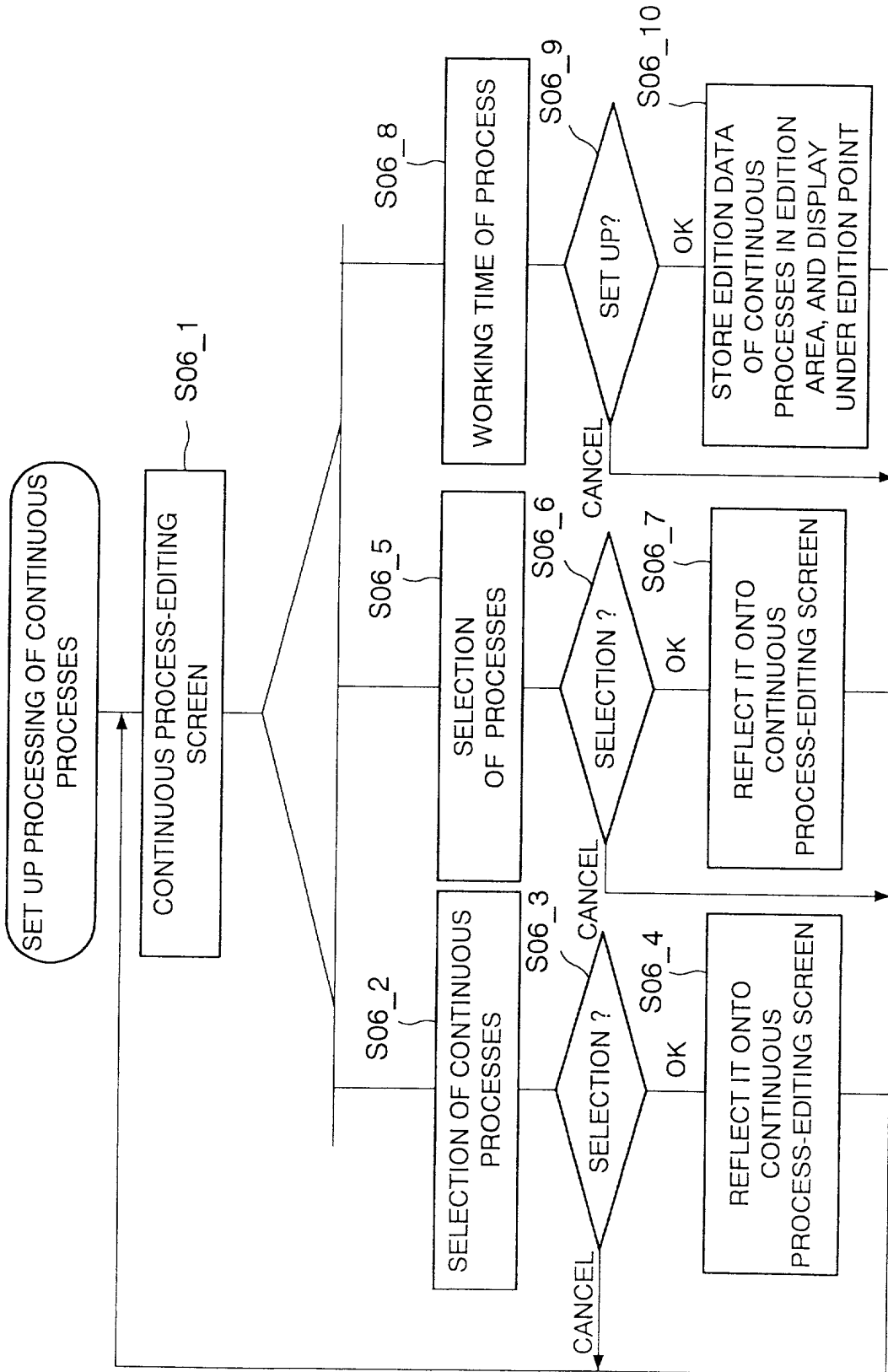


Fig. 10

11 / 27

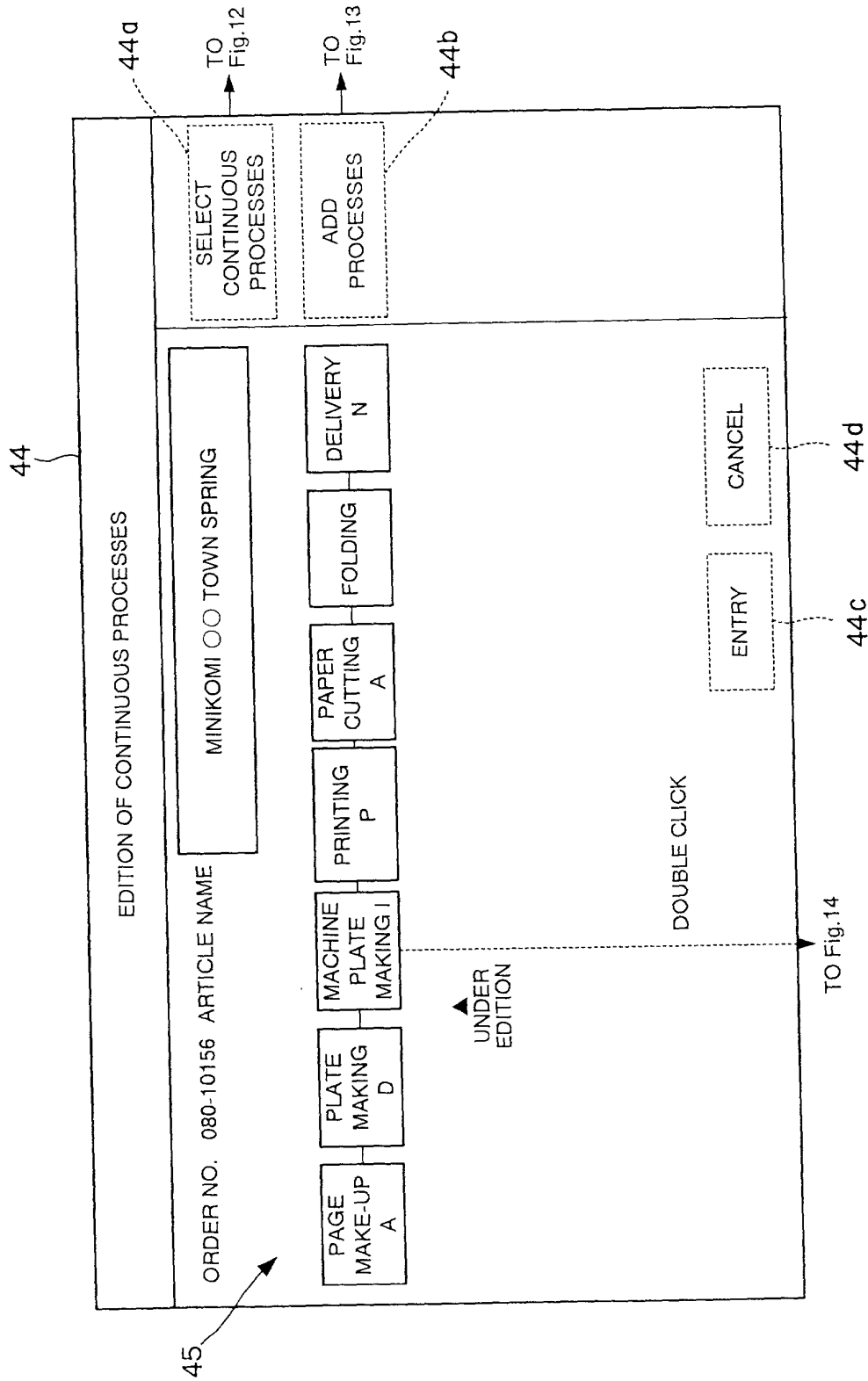


Fig. 11

FIG. 11

45a

45a_1

SELECTION OF CONTINUOUS PROCESSES

CONTINUOUS PROCESS NAMES	EXPLANATION
MINIKOMI 16P4C	16 PAGES 4-COLOR MACHINE
MINIKOMI 16P2C	16 PAGES 2-COLOR MACHINE
MINIKOMI 16P1+4C	16 PAGES 1+4-COLOR MACHINE
MINIKOMI 16P1C	16 PAGES 1-COLOR MACHINE
MINIKOMI 32P4C	16 PAGES 4-COLOR MACHINE

45a_2

45a_3

45a_4

RETRIEVAL CONDITIONS

ITEM

CUSTOMER'S NAME

RETRIEVAL

OK

CANCEL

45a_5

45a_6

Fig. 12

45b

45b_1

45b

45b_1

NAMES OF PROCESSES	EXPLANATION
<input checked="" type="checkbox"/> PAGE MAKE-UP A	DTP PAGE MAKE-UP SMALL
<input checked="" type="checkbox"/> PAGE MAKE-UP B	DTP PAGE MAKE-UP MIDDLE
<input checked="" type="checkbox"/> PAGE MAKE-UP C	DTP PAGE MAKE-UP LARGE
<input checked="" type="checkbox"/> PAGE MAKE-UP D	LAYOUT SHEET PAGE SMALL
<input checked="" type="checkbox"/> PAGE MAKE-UP E	LAYOUT SHEET PAGE MIDDLE
<input checked="" type="checkbox"/> PAGE MAKE-UP F	LAYOUT SHEET PAGE LARGE
<input type="checkbox"/> PLATE MAKING A	MONOCHROMATIC PAGE MAKE-UP
<input type="checkbox"/> PLATE MAKING B	TWO-COLOR PAGE MAKE-UP
	PLATE MAKING MACHINE 1
	PLATE MAKING MACHINE 1

OK

CANCEL

45b_2

45b_3

Fig. 13

45c 45c_2

45c_1

45c_4 45c_5 45c_4 45c_6 45c_7 45c_8 45c_9 45c_10

SET UP OF WORKING HOURS FOR PROCESSES

PROCESS ATTRIBUTES

☐ PAGE MAKE-UP

☐ PAGE MAKING

☒ MACHINE PLATE

☐ PRINTING

☐ PAPER CUTTING

☐ FOLDING

☐ PROCESSING

☐ DELIVERY

USER RESOURCES

CTP NO.1 MACHINE

CONDITIONS

FRONT COLOR NO. 4

BACK COLOR NO. 1

MACHINE PLATE SIZE A2

IMPOSITION NO. 4

EXPECTATION TIME

0 HOUR 30 MINUTES

UNDER EDITION INDICATION POINT

☐ NON ☒ FIRST ☐ FINAL

OK CANCEL

Fig. 14

15 / 27

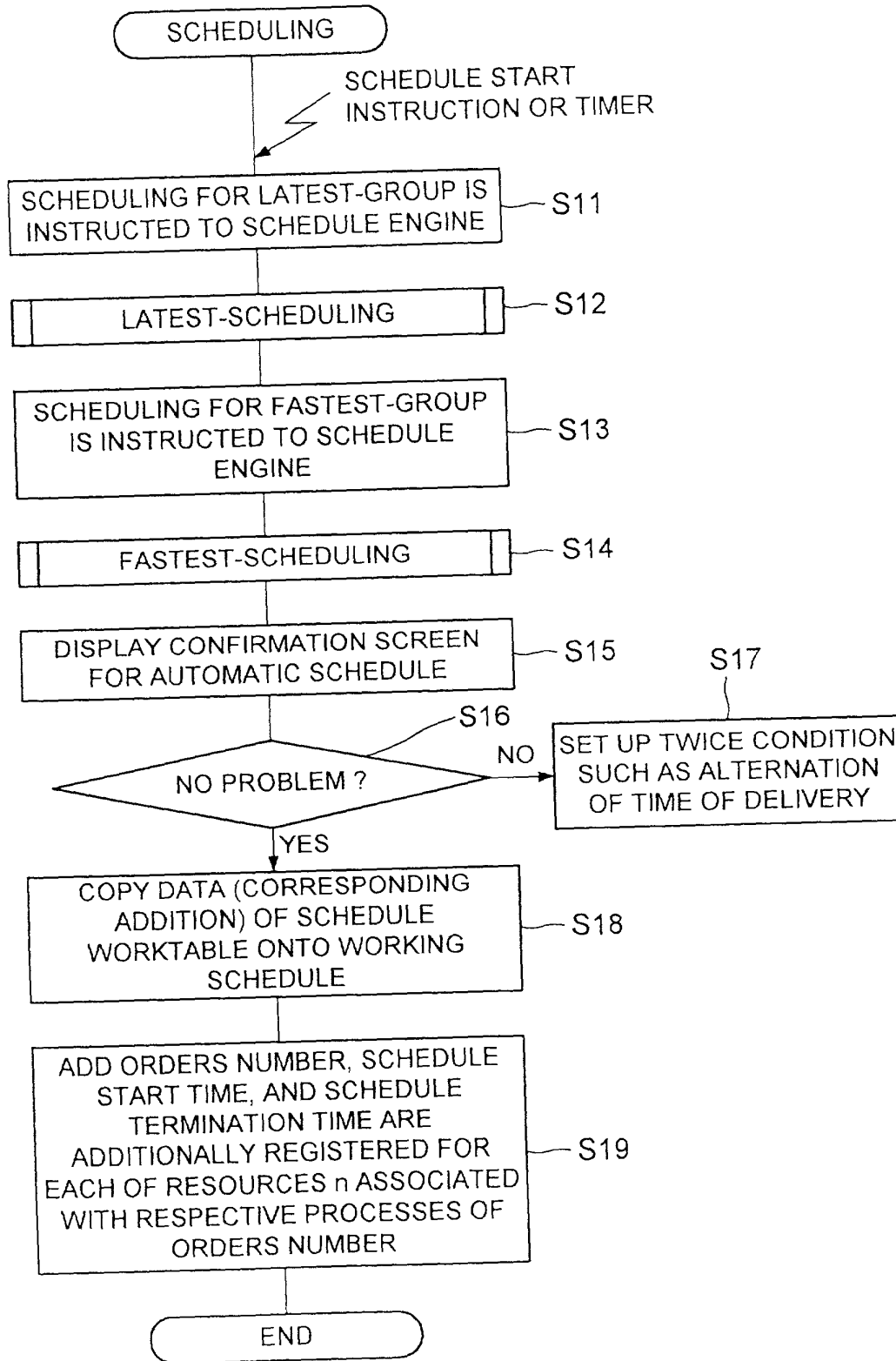


Fig. 15

16 / 27

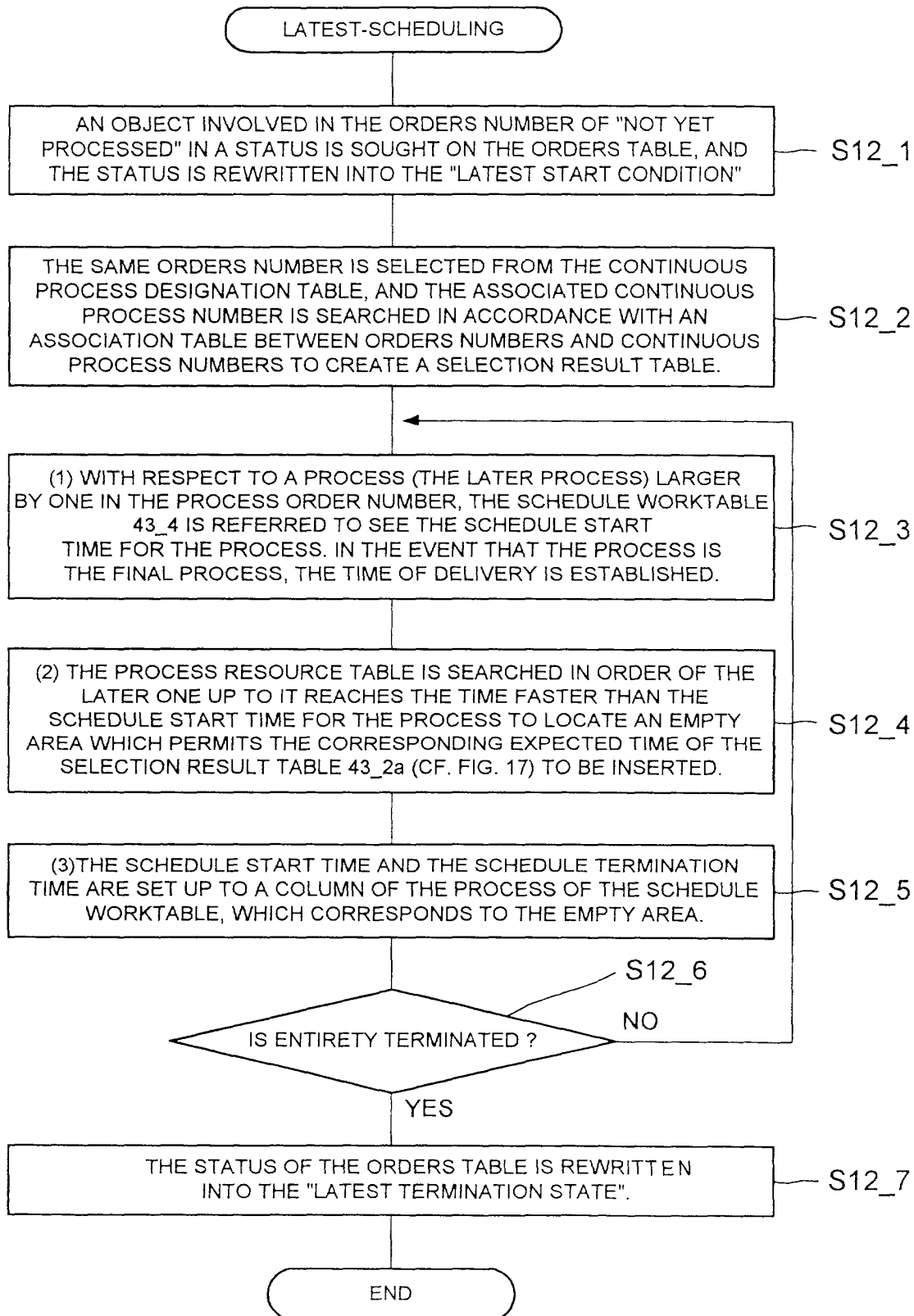


Fig. 16

17 / 27

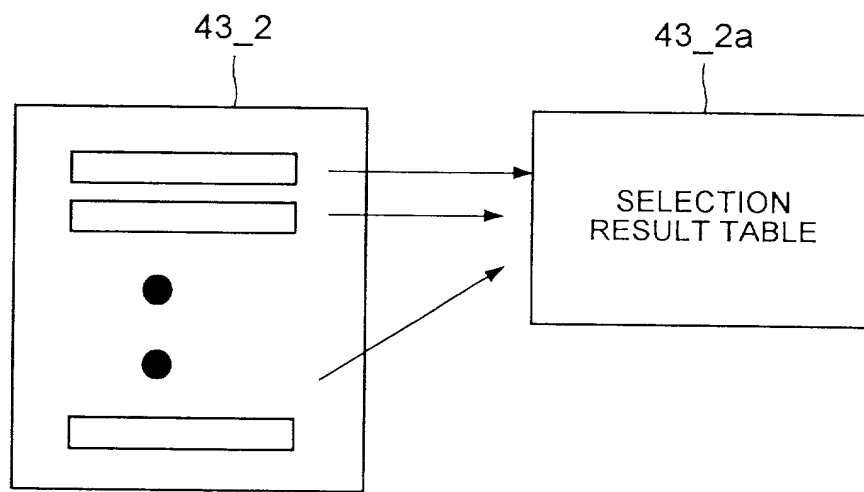


Fig. 17

18/27

43_2a

ORDERS NOS	CONTI- NUOUS PROCESS NOS.	PROCESS ORDER NOS.	PROCESS NAMES	PROCESS ATTRI- BUTES	USED RESOURCES	CONDITIONS	DEFAULT TIMES	EXPECTATION TIMES	UNDER EDITION POINTS	FASTEST LATEST	PROCESSING ORDER OF FASTEST
080-10156	34	01	PAGE MAKE-UP A	PAGE MAKE-UP	DTP A	A5 SIZE 16 PAGES	16 HOURS 00 MINUTES	12 HOURS 00 MINUTES	NON	FASTEST	PROCESSING ORDER OF FASTEST
080-10156	34	02	PAGE MAKING D	PAGE MAKING	PROOFER D	IMPOSITION 8 X 2 PROOF READING 12 HOURS	16 HOURS 00 MINUTES	24 HOURS 00 MINUTES	NON	FASTEST	
080-10156	34	03	MACHINE PLATE J	MACHINE PLATE	CTP NO.1 MACHINE	FRONT COLOR 4, BACK COLOR 4 MACHINE PLATE SIZE: A2 IMPOSITION NUMBER 4	00 HOURS 40 MINUTES	00 HOURS 30 MINUTES	FIRST	LATEST	PROCESSING ORDER OF LATEST
080-10156	34	04	PRINTING P	PRINTING	PRINT-P MACHINE	PRINT SIZE :A2 TYPE : SHEET SCREEN : CLOUDY SKY	00 HOURS 40 MINUTES	00 HOURS 50 MINUTES	NON	LATEST	
080-10156	34	05	PAPER CUTTING A	PAPER CUTTING	CUTTING-A MACHINE	TRIMMING : 3	00 HOURS 15 MINUTES	00 HOURS 15 MINUTES	NON	LATEST	
080-10156	34	06	FOLDING	FOLDING			00 HOURS 20 MINUTES	00 HOURS 20 MINUTES	NON	LATEST	
080-10156	34	07	DELIVERY N	DELIVERY	EXTERIOR	DISTANCE 100KM	24 HOURS	24 HOURS	NON	LATEST	

Fig. 18

19 / 27

46

ORDER No.	CONTINUOUS PROCESS NAMES	CONTINUOUS PROCESS No.
080-10156	MINICOMI 16P4C	34
070-10080	LEAFLET B3 FIELD TWO-FOLDING	37
081-10144	LEAFLET B41C SINGLE	24
.	.	.
.	.	.

Fig. 19

20/27

43_3

CTP NO.1 MACHINE

ENTRY NOS.	START SCHEDULED TIMES	TERMINATION SCHEDULED TIMES	ORDER NOS.	RESULTS START TIMES	RESULT TERMINATION TIMES
.
12543	2000/4/17 00:20	2000/4/17 00:55	202-87544	.	.
09365	2000/4/16 23:40	2000/4/17 24:20	355-87659	.	.
19876	2000/4/16 11:50	2000/4/16 12:20	070-10080	.	.
96929	2000/4/16 08:00	2000/4/16 09:00	433-87650	.	.
.
.

IN TIMING ASSOCIATED
 WITH THE WORKING
 SCHEDULE OF THE
 PROCESS RESOURCE
 TABLE, THE ORDERS
 NUMBER, THE SCHEDULE
 START TIME, AND THE
 SCHEDULE TERMINATION
 TIME ARE ADDITIONALLY
 REGISTERED FOR EACH OF
 THE RESOURCES
 ASSOCIATED WITH THE
 RESPECTIVE PROCESSES
 OF THE ORDERS NUMBER.
 FOR EXAMPLE: "080-10256".

Fig. 20

43 4

ORDER NOS.	PROCESS ORDER NOS.	PROCESS NAMES	SCHEDULE START TIMES	SCHEDULE TERMINATION TIME
080-10256	01	PAGE MAKE-UP A		
080-10256	02	PLATE MAKING D		
080-10256	03	MACHINE PLATE I	2000/4/16 11:20	2000/4/16 11:50
080-10256	04	PRINTING P	2000/4/16 12:10	2000/4/16
080-10256	05	PAPER CUTTING A	2000/4/17 00:20	2000/4/17 00:35
080-10256	06	FOLDING	2000/4/17 10:00	2000/4/17 10:40
080-10256	07	DELIVERY	2000/4/17 15:00	2000/4/18 15:00

43 4b

43 4a

EXPECTED TIME OF
MACHINE PLATE I :
00 HOURS 30 MINUTES

Fig. 21

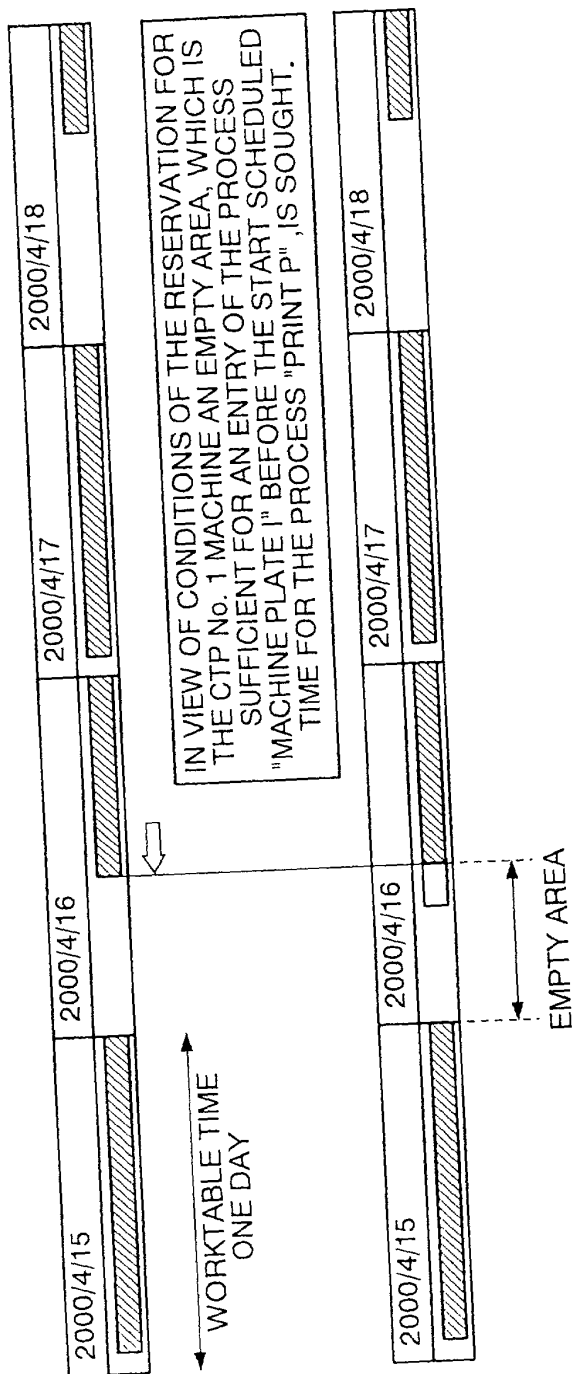


Fig. 22

23 / 27

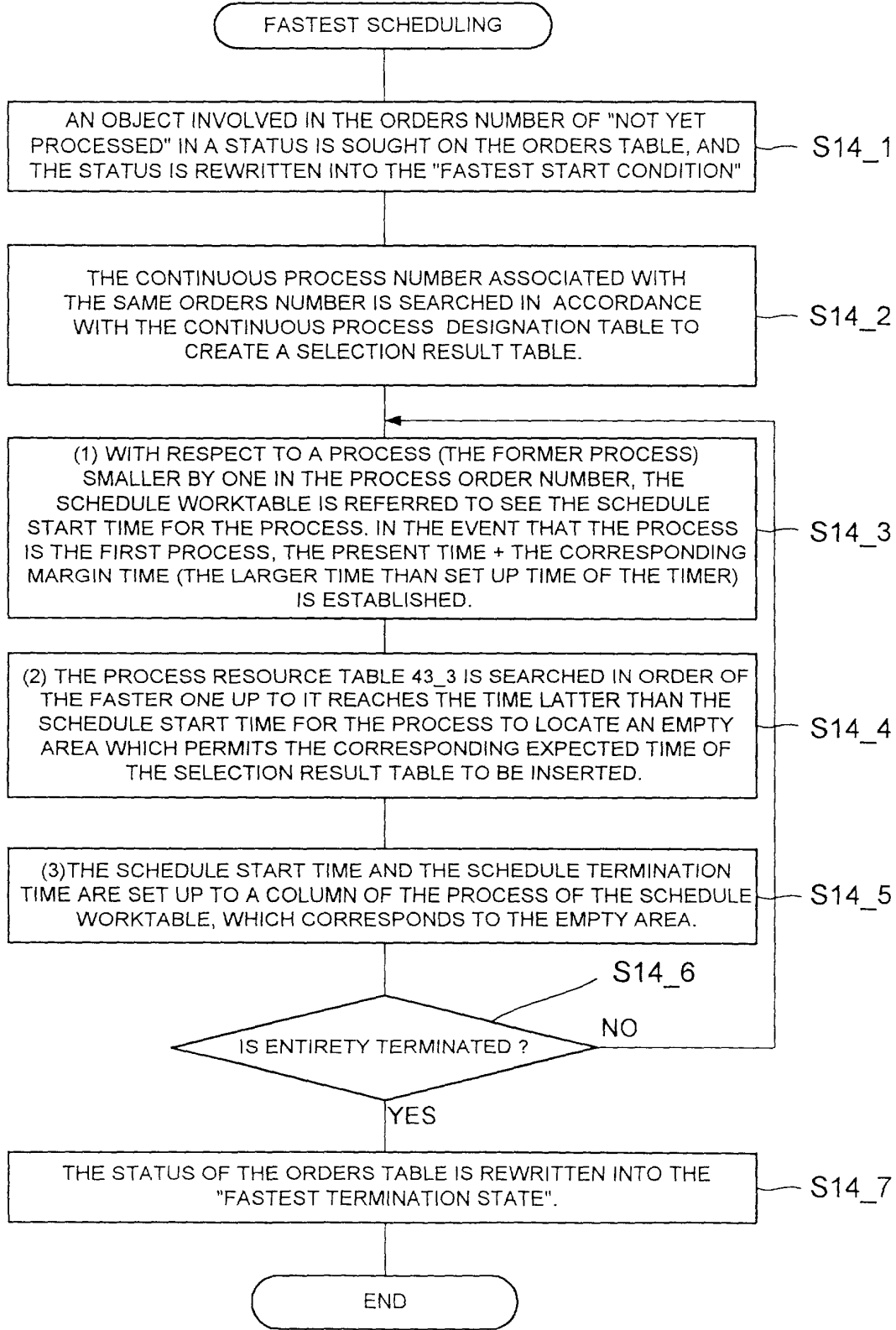


Fig. 23

50

CONFIRMATION SCREEN OF SCHEDULE

ORDERS	2000/4/15	2000/4/16	2000/4/17	2000/4/18
080-10156		MACHINE PRINTING P PLATE 1	PAPER CUTTING	DELIVERY N
070-10080	SCHEDULE RESULT			
081-10144	SCHEDULE RESULT			
FINISHED				
	SCHEDULE (RESULT & PLAN)			
RESULT: NO PROBLEM				
OK				CANCEL

50a

50b

Fig. 24

43_5

ORDER NOS.	PROCESS ORDER NOS.	PROCESS NAMES	SCHEDULE START TIME	SCHEDULE TERMINATION TIME
080-10256	01	PAGE MAKE-UP A	2000/4/02 09:00	2000/4/02 21:00
080-10256	02	PLATE MAKING D	2000/4/03 09:00	2000/4/04 09:00
080-10256	03	MACHINE PLATE I	2000/4/16 11:20	2000/4/16 11:50
080-10256	04	PRINTING P	2000/4/16 12:10	2000/4/16
080-10256	05	PAPER CUTTING A	200/4/17 00:20	200/4/17 00:35
080-10256	06	FOLDING	2000/4/17 10:00	2000/4/17 10:40
070-10080	07	DELIVERY N	2000/4/17 15:00	2000/4/17 15:00
070-10080	01	PAGE MAKE - UP B	2000/4/01 10:00	2000/4/01 18:00
.
.
081-10144	01	PAGE MAKE - UP B	2000/4/03 09:00	2000/4/03 20:00
.
.

ADDITION

Fig. 25

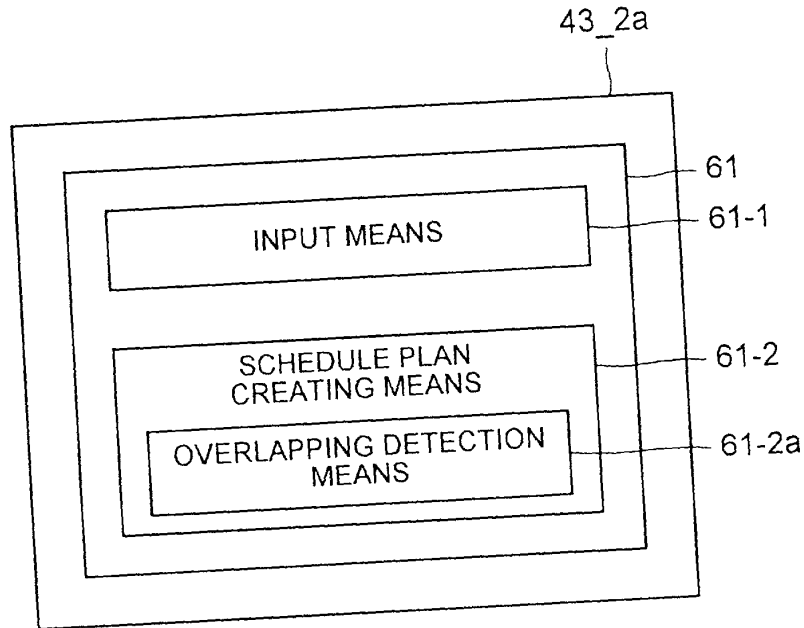


Fig. 26

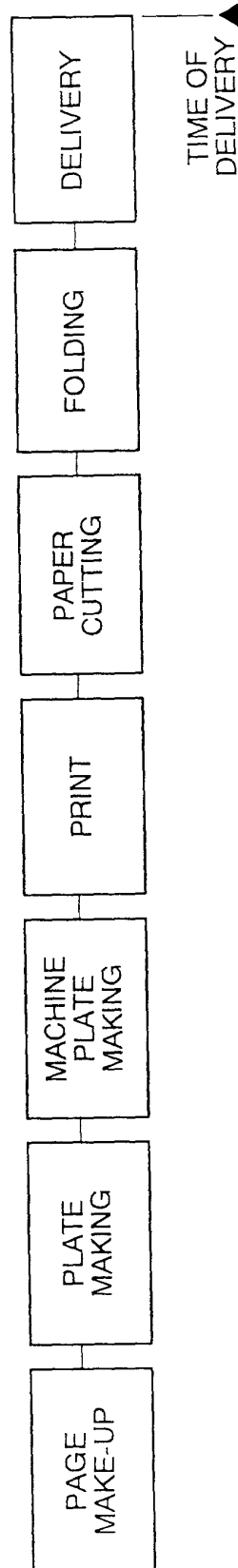


Fig. 27